

## Data Files

File name	Description
datalabel.csv	CSV file that contains the data and labels. -1 denotes that a data point is missing.
data.csv	CSV file that contains the data. -1 denotes that a data point is missing.

## IV regressions after substituting for U using log(KWW) (Case 1-8):

File name	Description
analyze_sub_u_iv.m	Main runnable file.
iv_regression.m	Performs IV regression
generate_titles.m	Sets case_title/case_summary to an appropriate value for display.
generate_xlabels.m	Retrieves the labels for the regressors and sets these to a variable called xlabels.
parse_iv_sub_u_raw_data.m	Parses raw data into the variables.
populate_sub_u_iv_data.m	A hub file that specifies the variables and invokes the correct populate_iv_data method depending on the case number.
populate_sub_u_iv_case1.m	This is invoked for case 1. IV (given S1); instrument for IKWW with motheduc
populate_sub_u_iv_case2.m	This is invoked for case 2. IV (given S1); instrument for educ, exper, expersq, IKWW with nearc4, age, agesq, motheduc
populate_sub_u_iv_case3.m	This is invoked for case 3. IV (given S1); instrument for IKWW with fatheduc
populate_sub_u_iv_case4.m	This is invoked for case 4. IV (given S1); instrument for educ, exper, expersq, IKWW with nearc4, age, agesq, fatheduc
populate_sub_u_iv_case5.m	This is invoked for case 5. IV (given GS; remove motheduc); impute missing parental edu; instrument for IKWW with motheduc
populate_sub_u_iv_case6.m	This is invoked for case 6. IV (given GS; remove motheduc); impute missing parental edu; instrument for educ, exper, expersq, IKWW with nearc4, age, agesq, motheduc
populate_sub_u_iv_case7.m	This is invoked for case 7. IV (given GS; remove fatheduc); impute missing parental edu; instrument for IKWW with fatheduc
populate_sub_u_iv_case8.m	This is invoked for case 8. IV (given GS; remove fatheduc); impute missing parental edu; instrument for educ, exper, expersq, IKWW with nearc4, age, agesq, fatheduc
impute_parental_edu_12.m	This imputes missing mother's or father's education for cases 1,2
impute_parental_edu_34.m	This imputes missing mother's or father's education for cases 3,4
impute_parental_edu_56.m	This imputes missing mother's or father's education for cases 5,6
impute_parental_edu_78.m	This imputes missing mother's or father's education for cases 7,8
get_std_error.m	Calculates IV standard error
run_sub_u_iv_analysis.m	Computes and displays IV regression coefficients and confidence intervals.